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## Patent Abstracts of Japan

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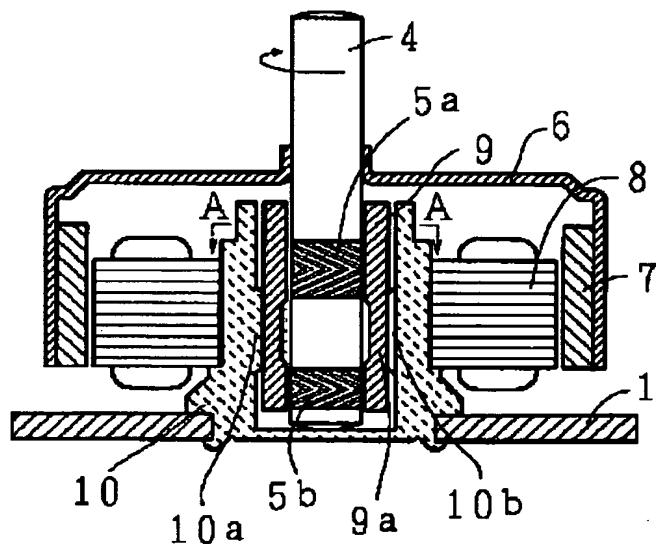
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TITLE : DYNAMIC PRESSURE BEARING OF  
SPINDLE MOTOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a dynamic pressure bearing motor for preventing the shrinkage deformation of an inner diameter of a bearing part and securing stable supporting even if the bearing part is forced into a bearing housing.

SOLUTION: The dynamic pressure bearing of a spindle motor is provided with a pair of V-shaped rings 5 where a number of V-shaped recesses and projections for generating a dynamic pressure are formed in superposition at the outer periphery of a rotary shaft 4 or the inner periphery of a bearing part 9. In the dynamic pressure bearing, the outer periphery of the middle part of the bearing part 9 that does not contribute to the supporting of the rotary shaft 4 is allowed to project as a large diameter or the inner periphery of the middle part of a bearing housing 10 corresponding to the middle part of the bearing part 9, that does not contribute to the supporting of the rotary shaft 4 is allowed to project as a small diameter. Then, the bearing part 9 is supported by forcing-in at this part.

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